

» H₂ PISTOL GRIP FUELING NOZZLE

for fast filling of cars at self-service stations



WEH® TK17 H₂ 70 MPa ENR



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PISTOL GRIP for easier refueling

The WEH® TK17 H₂ 70 MPa ENR with exchangeable nozzle receiver was developed for refueling cars with compressed hydrogen (CGH₂).

The IR data interface is responsible for communication between the vehicle and the fueling station.

This communication ensures that the vehicle reaches its optimum fill level.

If the data interface is damaged or malfunctions, it can be replaced quickly and easily by qualified personnel on site. Downtimes are reduced significantly as the fueling nozzle no longer has to be sent off for repairs.

The thermally insulating plastic covering provides optimum protection for the fuel cell vehicle and the front part of the nozzle against damage, impact and weather-related influences. It also protects the operator's hands against frostbite.

The TK17 H₂ 70 MPa ENR is additionally equipped with a purging line, that allows purging with nitrogen during and after fueling process.

This can prevent ingress of moisture and formation of ice crystals when filling with pre-cooled hydrogen. Removing the fueling nozzle from the receptacle is thus facilitated even in unfavorable climatic conditions.

Exchangeable interface for data transfer acc. to SAE TIR J2799

Coding for pressure range / gas type

WEH® Receptacle TN1 H₂ 70 MPa

Plastic thermal protection

Locking lever

WEH® Jaw locking mechanism

Ergonomic actuation lever

Data cable / IR Interface

Purging line for nitrogen purging

WEH® EASY-TURN swivel joint approx. 250°

TECHNICAL DATA

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|------------------------------------|--|
| 1. Application: | Fueling nozzle for hydrogen fast filling of cars at self-service fueling stations |
| 2. Pressure range: | PN = 70 MPa (10,000 psi)
PS = 87,5 MPa |
| 3. Temperature range: | -40 °C up to +85 °C (-40 °F up to +185 °F) |
| 4. Conformity / Tests / Approvals: | Fueling nozzle:
SAE TIR J2799, Tests acc. to SAE J2600:2002
IR data interface:
ATEX, NEC or KTL |



Usability



Quality



Safety



Efficiency



Easy to maintain



Longevity

ACCESSORIES

A dispenser mounting ensures the secure attachment of the fueling nozzle on the dispenser. The dispenser mounting is equipped with a port for purging operations, that allows purging of the fueling nozzle whilst not in use.

Optionally a magnetic field sensor can be installed. Other optional accessories include hose sets for connection the fueling nozzle and breakaway coupling, complete with high-pressure filling hose, braided protective hose, data cable and purging line.



Dispenser mounting incl. port for purging line for WEH® TK17 H₂ 70 MPa ENR



Nozzle hose assembly:
WEH® TK17 H₂ 70 MPa with filling hose and
WEH® TSA1 H₂ 70 MPa Breakaway coupling incl. dispenser mounting

APPLICATION



WEH® Nozzle hose assembly



WEH® TSA1 H₂ 70 MPa Breakaway coupling



WEH® TK17 H₂ 70 MPa ENR with dispenser mounting

» Contact

More questions? - Great! Don't hesitate to contact our experts.

Manufacturer:

WEH GmbH Gas Technology
Josef-Henle-Str. 1
89257 Illertissen / Germany

Phone: +49 7303 95190-0
E-Mail: h2sales@weh.com
Website: www.weh.com